

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 03/01396

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01Q1/24 H01Q9/04 H01Q5/00 H01Q13/10 H01Q7/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 672 685 A (GUNTHER ROBERT A ET AL) 9 June 1987 (1987-06-09) column 3, line 6 -column 4, line 35; figures 1,2	1,8
X	PATENT ABSTRACTS OF JAPAN vol. 011, no. 119 (E-499), 14 April 1987 (1987-04-14) & JP 61 265905 A (TOYO COMMUN EQUIP CO LTD), 25 November 1986 (1986-11-25) abstract	1,8
P,X, L	WO 02 071535 A (KONINKL PHILIPS ELECTRONICS NV) 12 September 2002 (2002-09-12) (L: priority) page 8, line 16-32; figures 14,15	1,2,4,6, 8-11

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

24 July 2003

Date of mailing of the international search report

01/08/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 892 459 A (NOKIA MOBILE PHONES LTD) 20 January 1999 (1999-01-20) figures 1,2	1,8
A	US 5 550 554 A (ERKOCEVIC NEDIM) 27 August 1996 (1996-08-27) figure 2	1,8

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